

Claims.

5

1. A vaccine that is composed by a polyvalent substrate (polylysine, polyethylenglucole, or any other polyvalent molecule). On this molecule multiple Fab parts or V regions (idiotypes) of gamma globulins (antibodies) have been covalently bound. These parts have been prepared by polyclonal or monoclonal antibodies or by other biotechnological or by direct biochemical synthesis. These antibodies have been raised against synthetic peptides with known antimetastatic properties.

These molecules are used alone or in combination with other molecules for the vaccination of humans or other living organisms aiming to inhibit the formation of cancer metastasis.

2. A vaccine according to the claim 1, that is not composed by a polyvalent substrate. Instead the multiple Fab parts or V regions of gamma globulins are directly bound to each other. By this way the composed molecule consists by multiple parts or multiple synthetic analogs of Fab parts or V regions of gamma globulins.